void check\_duplicated(char \*filename, char \*file\_path, char \*hash,

list\_t \*\*unique\_files,

list\_t \*\*duplicated\_files,

flags\_t flags) {

if ((\*unique\_files) == NULL) {

add\_file\_info(unique\_files, filename, file\_path, hash);

return;

}

bool is\_in\_files = false;

list\_t \*ptr = \*unique\_files;

while (true) {

// If file in the list and current file same

if (strcmp(ptr->file\_data.hash, hash) == 0) {

// If we collect files with same extract, but different names

if (flags.name\_flag) {

// Skip, if name equals

if (strcmp(ptr->file\_data.filename, filename) == 0) {

add\_file\_info(duplicated\_files, filename, file\_path, hash);

is\_in\_files = true;

break;

} else {

if (ptr->next != NULL) {

ptr = ptr->next;

} else {

is\_in\_files = false;

break; }

continue; }}

// If we should collect only unique files (don't have '-n' flag)

add\_file\_info(duplicated\_files, filename, file\_path, hash);

is\_in\_files = true;

break;}

if (ptr->next != NULL) {

ptr = ptr->next;

} else {

break; }

}

if (!is\_in\_files) {

add\_file\_info(unique\_files, filename, file\_path, hash);

}

}